

**Fungicides approved for use on apple which are recommended to control apple powdery mildew or offer some incidental control when applied for control of other diseases – efficacy factors**

| Active ingredient                  | Trade name (examples)                         | Chemical group              | Eradicant action         | Protectant action (days)             | Anti-sporulant action | Resistance risk | Typh safety | Other disease controlled/part controlled   |
|------------------------------------|---|-----------------------------|--------------------------|--------------------------------------|-----------------------|-----------------|-------------|--|
| Bacillus amyloliquefaciens         | Amylo X WG (EAMU 0469/18)                     | Not classified              | eradicant and protectant | Varies according to weather          | unknown               | Low             | safe        | Botrytis, fireblight   |
| boscalid + pyraclostrobin          | Bellis  | Strobilurin (QoI) + anilide | protectant               | 10-14                                | unknown               | high            | safe        | scab, canker, storage rots   |
| bupirimate                         | Nimrod  | Hydroxy-pyrimidine          | eradicant and protectant | 7-10                                 | AS                    | mod-high        | safe        | -  |
| cyflufenamid                       | Cosine  | Amidoximes                  | eradicant and protectant | 7                                    | AS                    | high            | safe        | -  |
| fluopyram                          | Luna Privilege                                | Pyridinyl-ethyl-benzamide   | protectant               | 7-14 depending on weather and season | AS                    | mod-high        | safe        | Evidence of good scab activity and some storage rots including Botrytis and Neofabraea |
| fluxapyroxad                       | Sercadis                                      | Pyrazole-4-carboxamide      | protectant               | 5-10                                 | unknown               | mod-high        | not tested  | scab   |
| kresoxim-methyl <sup>1</sup>       | Stroby WG <sup>1</sup>                        | Strobilurin (QoI)           | protectant               | 7                                    | unknown               | mod-high        | safe        | scab   |
| mefentrifluconazole                | Vayo  | DMI (triazole)              | protectant               | 7                                    | unknown               | high            | not tested  | scab   |
| penconazole                        | Topas   | DMI (triazole)              | eradicant and protectant | 7                                    | AS                    | high            | safe        | (scab)   |
| penthiopyrad                       | Fontelis                                      | Pyrazole-4-carboxamide      | protectant               | 7                                    | Unknown               | mod-high        | not tested  | scab   |
| potassium bicarbonate <sup>3</sup> | Karma   | Inorganic                   | eradicant                | 0                                    | AS                    | low             | safe        | -  |
| proquinazid                        | Talius (EAMU 3636/22), Justice (EAMU 3607/22) | Quinazolinone               | protectant               | 10-14                                | AS                    | medium          | safe        | -  |
| sulphur                            | Microthiol Special (EAMU 3241/25)             | Inorganic                   | (eradicant)              | 7-10                                 | (AS)                  | low             | harmful     | scab   |
| trifloxystrobin                    | Flint   | Strobilurin                 | protectant               | 7-10                                 | AS                    | high            | Safe        | scab   |

|  |  |       |  |  |  |  |  |  |
|--|--|-------|--|--|--|--|--|--|
|  |  | (QoI) |  |  |  |  |  |  |
|--|--|-------|--|--|--|--|--|--|

The information in this table on fungicide action is based on the results of recent research

Notes

<sup>1</sup> – Reduction in powdery mildew only, <sup>2</sup> – Moderate control of powdery mildew only, <sup>3</sup> – Food grade potassium bicarbonate only must be used

\* - Protectant action greatly reduced at lower doses

() – some eradicant or antisporeulant action only